

# ICT Applications in Library Services

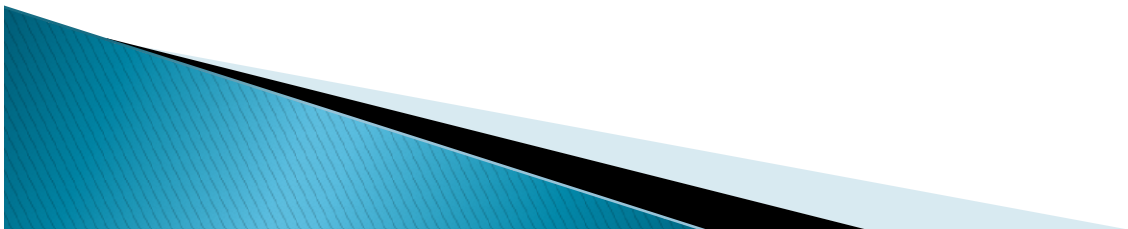
## Unit 4 Smart Card–Meaning and Smart Card Reader

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## ▶ SMART CARD

- ▶ A smart card is a special type of card which contains an integrated circuit chip embedded on it. The IC chip can be a microprocessor with memory or just simple memory circuit.



- ▶ *In simple words, a smart card is the card with which we can exchange the data store it and multiplicate data.*

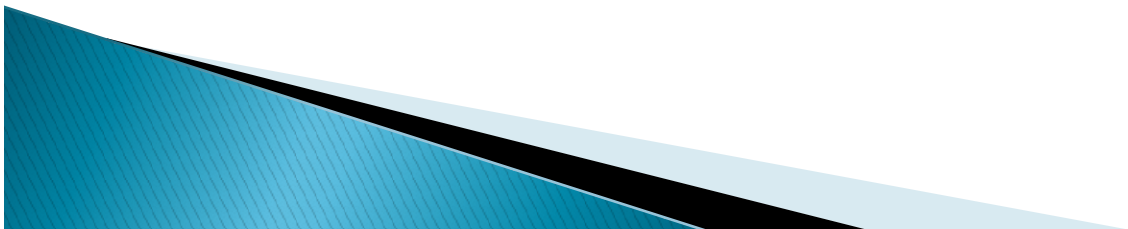
- ▶ *History*

- ▶ *1968– German inventor Jurgen Dethloff along with Helmet Grotrupp filed a patent for using plastic as a carrier for microchips.*



## ▶ Smart card Reader

- ▶ A smart card reader is a device to which the smart card is connected either directly or indirectly using RF communication.
- ▶ It interfaces with the PC or a microcontroller using USB port.
- ▶ It can be a contact or contact less reader



## ▶ Advantages of Smart Card

▶ Promptly reconfigured

▶ Reusable

▶ Secure transactions

▶ Advance security


▶ Permit many works from one card

▶ Technical support not required.

▶ Easy to use

▶ Life of a smart card is longer

▶ A smart card carries more information than can be accommodated on a magnetic stripe card.



*THANKS*

